| Index o | f Claims |
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10/506,556

Reexamination MURAMATSU ET AL.

Applicant(s)/Patent under

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| Cla            | aim      | Date             |              |          |   |              | Claim Date |          |          |          |          |          |                 |          | ٦            | Claim Date |  |                 |          |     |          |          | _                       |              |         |              |              |          |          |          |   |
|----------------|----------|------------------|--------------|----------|---|--------------|------------|----------|----------|----------|----------|----------|-----------------|----------|--------------|------------|--|-----------------|----------|-----|----------|----------|-------------------------|--------------|---------|--------------|--------------|----------|----------|----------|---|
| <del>  0</del> |          |                  |              |          |   |              |            |          |          |          |          |          |                 |          |              | -          |  |                 | $\vdash$ | Т   | Т        | ٣        | T                       | $\neg$       | $\neg$  |              | —            |          |          |          |   |
| Final          | Original | 27               | -            |          |   |              |            |          |          |          | Final    | Original |                 |          |              |            |  |                 |          |     | Final    | Original |                         |              |         |              |              |          |          |          |   |
|                | 1        | V                |              | 4        | _ |              | _          | $\dashv$ |          |          | -        | 51       | $\vdash$        | 4        | _            | +          | ╄  | Н               | 4        | 4   |          |          | $\dashv$                | $\downarrow$ | +       | +            | 4            | $\dashv$ | 4        | $\dashv$ |   |
|                | 2        | <del>  }  </del> | $\dashv$     | $\dashv$ | - | Н            |            | $\dashv$ | $\dashv$ |          | -        |          | $\vdash \vdash$ | +        | -            | +          | ₩  | $\vdash \vdash$ |          | -   |          | 101      | $\vdash$                | +            | +       | +            | $\dashv$     | +        | -        |          |   |
|                |          | Н                | $\dashv$     | $\dashv$ | - | Н            | $\dashv$   | -        | -        | _        |          | 52       | $\vdash$        | 4        | _            | _          | ╄  | $\sqcup$        | _        | 4   |          | 102      | $\perp$                 | +            | -       | _            | -            | -        |          | _        |   |
| -              | 3        | Ш                | -            |          | _ | _            | _          | -        | -        | _        |          | 53       | $\vdash \vdash$ | 4        |              |            | ↓_   | $\sqcup$        |          | 4   |          | 103      |                         | _            | _       | _            | 4            | _        | _        | _        | _ |
|                | 4        | H                | _            | $\dashv$ | _ |              |            | 4        | _        | _        |          | 54       | $\sqcup$        | _        | _            |            | 1_   | Ш               | _        | 4   |          | 104      |                         | 4            | $\perp$ |              | 4            | $\dashv$ | $\dashv$ | _        |   |
|                | 5        | Ш                | _            | _        | _ |              |            | _        | _        | _        |          | 55       | $\sqcup$        | _        |              |            | 1_   |                 |          |     |          | 105      |                         |              | 4       | ┸            | _            | _        | $\dashv$ | _        |   |
|                | 6        | Ш                |              |          |   |              |            |          | _        | _        | L        | 56       | $\vdash$        | 4        |              | ┸          | ↓_   | Ш               |          | _   |          | 106      |                         | _            |         |              | _            | $\perp$  |          | _        |   |
| ļ              | 7        | Ш                | _            | _        | _ |              |            | _        | _        |          | <u> </u> | 57       |                 | _        |              |            | 1_   |                 | _        | _   |          | 107      |                         |              | _       |              | _            | _        | Ц        |          |   |
| <u> </u>       | 8        | Ш                |              | $\dashv$ | _ |              |            | _        | _        | _        |          | 58       | Щ               | 4        | 4            | Ц.         | ļ  | Ш               |          |     |          | 108      |                         | $\bot$       | ┸       | ┸            | _            |          | _        |          |   |
| <u> </u>       | 9        | Ш                | _            |          | _ |              | $\Box$     | _        | _        | _        |          | 59       | $\sqcup$        | _        | _            |            | ┸-   | L               |          | _   |          | 109      |                         |              | $\perp$ | ┸            | _            | _        | _        |          |   |
|                | 10       | Ш                | _            | _        | _ |              |            | _        |          | _        | <u> </u> | 60       | Ш               | 4        | _            |            |  |                 |          | _   |          | 110      |                         | _            |         |              | _            | _        | $ \bot $ |          |   |
| ļ              | 11       | V                | $\dashv$     | _        |   | _            | _          |          | _        | _        |          | 61       | Щ               | _        | 4            | $\perp$    | 丄  | $\sqcup$        |          | _   |          | 111      |                         | $\perp$      | $\perp$ | $\perp$      | _            | _        |          |          |   |
| $\vdash$       |          | 9                | $\dashv$     |          | _ | Ш            | $\sqcup$   | _        | _        | _        |          | 62       | $\sqcup$        | _        | 4            | $\bot$     | ↓_   | Ш               |          | 4   |          | 112      | $\sqcup \!\! \perp$     | $\perp$      | ┵       | $\perp$      | $\downarrow$ | _        |          |          |   |
| <u> </u>       | 13       | Y                | $\dashv$     | _        |   |              | _          | _        | _        | _        | <u></u>  | 63       | Щ               | 4        | _            | $\perp$    | $\bot$   | Ш               | $\perp$  | 4   | <u> </u> | 113      | $\sqcup \bot$           | _ _          |         | ⊥            | 4            | _        | ᆚ        |          |   |
| <u> </u>       | 14       | Ш                | $\Box$       | ļ        |   | Щ            | $\sqcup$   |          | 4        | _        |          | 64       | Ш               | 4        | _            | $\perp$    | $\perp$  | Ш               |          | 4   | <u> </u> | 114      |                         | _ _          | $\perp$ | $\perp$      | $\perp$      | _        | $\dashv$ |          |   |
| <u> </u>       | 15       | Ш                |              | _        |   |              | _          | _        | 4        | _        |          | 65       | Ш               | 4        | _ _          | _          | _  | Ш               |          | _   |          | 115      | $\perp$                 | 4.           | -       | $\perp$      | 4            | _        | $\dashv$ |          |   |
| <u> </u>       | 16       | V.               | $\dashv$     | $\dashv$ | _ |              |            | _        | _        | 4        |          | 66       |                 | _        | 4            | _ _        | _  | $\sqcup$        |          | _   |          | 116      |                         | 4            |         | _            | 4            | _        | ᆜ        |          |   |
| ļ              | 17       | ß                |              | _        |   |              |            | _        | _        |          |          | 67       | _               | _        | 4            |            | $\perp$  | $\sqcup$        | _        | _   |          | 117      |                         | ┵            | ┸       | ┸            | _            | _        | _        |          |   |
| <u> </u>       | 1/8      | Щ                | _            |          |   |              |            | _        | _        |          |          | 68       | Ш               | _        | _            |            | _  | $\sqcup$        |          | 4   |          | 118      |                         | $\perp$      | $\perp$ | 4            | _            | _        |          |          |   |
| <u> </u>       | 1/9      | Ш                | $\perp$      | _        | _ |              | _          | $\dashv$ | _        | _        |          | 69       | $\perp$         | 4        | 4            |            | <u> </u>   | $\sqcup$        |          |     |          | 119      |                         | ┸            | ┸       | ┵            | _            |          | _        |          |   |
| <u> </u>       | 20       | Ш                |              | _        | _ |              |            | _        | _        | _        |          | 70       | $\Box$          | _        | $\perp$      |            | <u> </u>   |                 |          |     |          | 120      |                         | _            | ┸       | 4            | _            | _        | _        |          |   |
| <u> </u>       | 21       | Щ                | $\sqcup$     | _        | _ |              |            | _        | _        | _        |          | 71       |                 |          | $\perp$      |            |  | Ш               |          | _   |          | 121      |                         | ┵            | ᆚ       | ᆚ            | _            |          | $\Box$   |          |   |
| L.             | 22       | Ц                |              | _        |   |              |            | _        | 4        | _        | _        | 72       | Ш               | _        | 4            | ᆜ          | _  | Ш               |          |     |          | 122      |                         | ┸            | ┸       | ┸            | $\perp$      | _        | $\Box$   |          |   |
|                | 23       | Ш                |              | _        | _ |              |            | _        | _        | _        |          | 73       | Ш               | _        |              |            | <u> </u>   | Ш               |          |     |          | 123      |                         |              | $\perp$ | ᆚ            | $\perp$      |          | $\Box$   |          |   |
| <u> </u>       | 24       | Ш                | $\dashv$     | _        | _ |              | Ц          | _        | 4        | _        |          | 74       | $\Box$          | _        | _            |            | <u> </u>   | Ш               |          |     |          | 124      |                         |              | ᆚ       | ᆚ            |              |          | $\Box$   |          |   |
|                | 25<br>26 |                  | $\dashv$     | _        | _ |              |            | _        | _        | _        |          | 75       | Ш               | 4        | 4            |            | <del>                                     </del> | Ш               |          | _   |          | 125      |                         |              | $\perp$ | 4            | $\perp$      | _        | _        |          |   |
| <u> </u>       | 26       | Щ                | $\Box$       | _        |   |              |            | _        |          | _        |          | 76       | Ш               | _        | $\downarrow$ | Ц.         | _  | $\sqcup$        | $\perp$  | _   |          | 126      |                         |              |         | ᆚ            | _            | _        |          |          |   |
|                | 27       | Ш                |              | _        | _ |              |            | _        | _        | _        | _        | 77       |                 | _        | 4            |            | ↓_   | $\sqcup$        | _ _      | _   |          | 127      |                         | ┵            | 4       | ᆚ            | 4            | _        | ᅬ        |          |   |
|                | 28       | Ш                | _            | _        | _ | _            |            |          | _        | _        |          | 78       |                 | _        | 4            | $\bot$     |  |                 |          | 4   |          | 128      |                         | $\perp$      | $\perp$ | 4            | $\dashv$     | _        | $\dashv$ |          |   |
|                | 29       | $\square$        |              | _        | _ |              |            | _        | _        | _        |          | 79       | _               | _        | 4            |            | 1_   | -               |          | 4   |          | 129      |                         | $\perp$      | 4       | 4            | 4            | _        | $\dashv$ |          |   |
| <u> </u>       | 30       | Ш                | _            | _        | _ |              | _          | _        | $\perp$  | _        |          | 80       | $\sqcup$        | 4        | $\perp$      | ┸          | ↓_   | $\sqcup$        |          | _   |          | 130      |                         | _            | ┵       | ┸            | _            | _        | _        | _        |   |
| -              | 31       |                  | -            | _        | _ | L            |            | _        | _        | _        |          | 81       |                 | _        | _            | _          | ╄  | $\sqcup$        | $\perp$  | 4   |          | 131      | $\perp$                 | $\perp$      | 4       | _            | _            | _        | $\dashv$ |          | _ |
| <u> </u>       | 32       | _                | _            | _        | _ | Щ            |            |          |          |          |          | 82       | $\sqcup$        | 4        | _            |            | ــــــ   | $\sqcup$        |          | 4   |          | 132      |                         | _            |         | 4            | 4            | _        | $\dashv$ | _        |   |
|                | 33       | 4                | $\sqcup$     | _        | _ | _            | Щ          |          | _        | _        |          | 83       | Щ               | _        | _ _          | $\bot$     | $\bot$   | Ц               | $\perp$  | _   | <u> </u> | 133      | $\sqcup \bot$           | $\perp$      | $\perp$ | $\perp$      | $\downarrow$ |          | _        |          | _ |
| <u> </u>       | 34       | Ш                |              | _        | _ | Щ            | Ш          |          | _        | _        | <u> </u> | 84       | $\sqcup$        | 4        | $\bot$       | 4          | 4  | Ш               |          | _   |          | 134      | $oxed{oxed}$            | $\perp$      | $\perp$ | _ _          | _            | _        | _        |          |   |
| <u> </u>       | 35       | Ш                |              | _        | _ | <u> </u>     | Ш          |          | _        | _        |          | 85       | $\sqcup$        | $\dashv$ | _            | $\bot$     | 4  | Ш               |          | _   |          | 135      | $\vdash$                | ⊥            | ᆚ.      | $\downarrow$ | $\downarrow$ | _        | _        |          |   |
| <u> </u>       | 36       | Ш                | $\Box$       | _        |   |              | Ш          | _        | _ļ       | _        |          | 86       | $\sqcup$        | 4        | $\perp$      | $\bot$     | 4  | Ш               |          | վ ։ |          | 136      | $\sqcup \!\!\! \perp$   | ⊥            | 4       | $\perp$      | _            |          |          |          |   |
| <b>├</b>       | 37       | Ш                |              | ļ        | _ | <u> </u>     | Ш          | _        | _        |          |          | 87       | Ш               | $\dashv$ | $\perp$      | $\bot$     | $\perp$  | Щ               |          | _   |          | 137      | $\sqcup \!\!\! \perp$   | ⊥            | _       | 4            | _            | _        | _        |          |   |
| <u> </u>       | 38       | L                |              | _ļ       | _ | <u> </u>     | Ц          | _        | ļ        |          |          | 88       | Ш               | _        | _            | $\bot$     | 4  | Ш               |          | 4   |          | 138      | $\sqcup \bot$           | $\perp$      | $\perp$ | $\perp$      | _ļ           | _        | _        |          |   |
| <u> </u>       | 39       | <u>-</u>         |              | _        |   | <u> </u>     |            | _        | _        | _        |          | 89       | Ц               | $\perp$  | 4            | $\bot$     |  | Ш               |          | _   |          | 139      | Ш                       | $\perp$      | $\perp$ | $\perp$      | _            | _        |          |          | _ |
| <u> </u>       | 40       | $\sqcup$         |              | _ļ       | _ | Ц.           | $\square$  |          | ļ        | _        | L        | 90       | $\sqcup$        | _        | $\perp$      | $\bot$     | $\perp$  | Ш               | $\perp$  | 4   |          | 140      | $\sqcup \bot$           | $\perp$      | $\perp$ | 4            | _            | _        | _        |          |   |
| -              | 411      |                  |              | _        |   | $oxed{oxed}$ | Ш          |          | _        |          |          | 91       | Щ               | _        | _ _          | $\perp$    |  | Ш               |          | 4   | L_       | 141      | $\sqcup \bot$           | $\perp$      | ┵       | $\perp$      | _            | $\perp$  |          | _        |   |
|                | 42       | Ш                |              | _        |   | <u> </u>     | $\sqcup$   |          | _        | _        | <u></u>  | 92       | $\sqcup$        | _        | $\perp$      | $\bot$     | 4_   | Ш               | _ _      | _   |          | 142      | $\sqcup$                |              | 4       | $\perp$      | 4            |          |          |          | _ |
| _              | 43       | $\sqcup$         | $\Box$       | _        | _ | <u> </u>     | Ш          |          | _        | _        |          | 93       | Ш               | _        | _ _          |            | _  | Ш               | 丄        | _   | <u> </u> | 143      | $\vdash$                |              |         | 4            | _            | _        | _        |          |   |
| <u> </u>       | 44       | Ш                | <b> </b>     | _        | _ | _            | $\sqcup$   |          | _        | $\dashv$ | <u></u>  | 94       | $\sqcup$        | _        | _ _          | 4          | 4_   | Щ               |          | 4   | <u></u>  | 144      | $\sqcup \bot$           |              | _       | 4            | _            | _        | _        |          | _ |
|                | 45       | $\sqcup$         | $\sqcup$     | _        | _ | <u> </u>     | $\sqcup$   | _        | _        | _        | <u> </u> | 95       | Щ               | _        | _ _          | _          | 4_   | $\sqcup$        | $\bot$   | 4   | <u> </u> | 145      | $\sqcup \bot$           | 丄            | _ _     | $\downarrow$ | _            | _        | _        |          |   |
| <u> </u>       | 46       | Н                | $\sqcup$     | _        | _ | <u> </u>     | $\vdash$   |          | _        | _        | <u> </u> | 96       | $\sqcup$        | _        | 4            | 4          | <del> </del>                                     | $\sqcup$        | 4        | _   | <u> </u> | 146      | $\vdash$                | 4            | $\bot$  | 4            | 4            | _        | _        |          |   |
| <u> </u>       | 47       | Н                | $\sqcup$     | _        | _ | <u> </u>     | Щ          |          | _        |          | <u> </u> | 97       | $\sqcup$        | _        | _ _          | 4          | $\bot$   | Щ               | _        | 4   | <u> </u> | 147      | $\sqcup \!\!\!\! \perp$ | $\bot$       | $\perp$ | 4            | $\dashv$     | _        | _        |          | _ |
| <u> </u>       | 48       | Н                | <b> </b> -   | -        | _ | _            |            |          | _        | _        | <u> </u> | 98       | Ш               | _        | +            | +          | +  | $\sqcup$        |          | 4   | <u> </u> | 148      | $\sqcup$                | 4            | $\perp$ | 4            | 4            | _        | ᆜ        | _        |   |
|                | 49<br>50 | Н                | <del> </del> | -        |   |              | -          | _        | _        | $\dashv$ | <u> </u> | 99       | $\sqcup$        | _        | $\dashv$     | +          | +  | $\vdash \vdash$ | _        |     | <u> </u> | 149      | $\vdash \vdash$         | +            | +       | +            | _            | _        | _        | _        | _ |
|                | . 711    |                  |              |          |   |              |            |          |          |          |          |          |                 |          |              |            |  |                 |          |     |          |          |                         |              |         |              |              |          |          |          |   |

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